Responses of Staphylococcus aureus to mechanical and chemical stresses

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ABBREVIATIONS

AFM	atomic force microscopy
ANOVA	analysis of variance
AUC	area under the curve
CLSM	confocal laser scanning microscopy
CFU	colony forming units
COF	coefficient of friction
DLVO	Derjaguin–Landau–Verwey–Overbeek
DMT	Derjaguin-Muller-Toporov
eDNA	extracellular DNA
EPS	extracellular polymeric substances
FLBA	fluorescence lectin-binding analysis
FTIR	Fourier transform infrared spectroscopy
GEN	gentamicin
GFP	green fluorescent protein
LLCT	low load compression testing
MATH	microbial adhesion to hydrocarbons
MBC	minimal bactericidal concentration
MIC	minimal inhibitory concentration
MscL	mechanosensitive channel of large conductance
MscS	mechanosensitive channel of small conductance
NsaRS	nisin associated sensitivity response regulator
OCT	optical coherence tomography
OXA	oxacillin
PBS	phosphate buffered saline
PE	polyethylene
PNAG	poly-N-acetylglucosamine
PPFC	parallel plate flow chamber
QCM-D	quartz crystal microbalance with dissipation
QNM	quantitative nanomechanical mapping
RIF	rifampicin
RT-qPCR	quantitative reverse transcription PCR
SEF	surface enhanced fluorescence
SEM	scanning electron microscopy
SL	Smoluchowski–Levich
SS	stainless steel
TFE	total fluorescence enhancement
TSB	tryptone soya broth
VAN	vancomycin